TSCA Self Implementing Work Plan

City of Chicopee Rivermills Remediation Project 5 West Main Street Chicopee, Massachusetts 01020

March 12, 2013

Prepared for:

Mr. Carl Dietz, Director
City of Chicopee
Office of Community Development
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Chicopee, Massachusetts 01013

BETA Project No. 3889

Prepared by:



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Introduction / Site History

This Plan is intended to comply with the Self-Implementing Cleanup provisions of 40 CFR §761.61. Copies of this plan will be provided to the U.S. Environmental Protection Agency (EPA), Massachusetts Department of Environmental Protection (MassDEP) and the Chicopee Board of Health. On behalf of the City of Chicopee (the City), BETA Group, Inc. (BETA) has prepared this Plan to describe the planned on-site management of the existing stockpile of PCB-impacted brick and soil.

The property is located at 5 West Main Street in Chicopee, Massachusetts in a mixed industrial, commercial, and residential area of Chicopee, Massachusetts. The immediate Site area has had a long history of heavy industrial use and numerous historic fires and demolition projects that destroyed buildings on and adjacent to the Site.

Between 1823 and 1915, the Site and much of the surrounding area was owned by the Chicopee Manufacturing Company. During this time, the Site was used for the manufacture and processing of cotton cloth. In 1915, Johnson & Johnson Services, Inc. purchased the Site, and continued the production of cotton cloth. Circa 1977, the property was purchased by the Facemate Corporation who produced finished cotton and synthetic cloth at the Site. Two Site buildings were leased to outside companies for use as office space during this time. In 2003, Facemate filed for bankruptcy and was forced to shut down due to bank foreclosure proceedings. The Site has been vacant since 2003.

The City of Chicopee took ownership of the property in 2010 for non-payment of taxes. The property is presently an active construction site involving the demolition of six abandoned buildings that were formerly used for various textile manufacturing processes and site remediation activities as part of a Brownfield site redevelopment project.

This SIP is associated with the on-site management of screened historic C&D debris excavated in the vicinity of former Building #2 at the facility. Former Facemate Building #2 was reportedly destroyed by fire in the 1970s and, following the fire, the concrete foundation slab was backfilled with approximately 1 to 3 feet of soil, demolition debris and solid waste.

A history of PCB detection at this location is presented below.

Former Facemate Building #2 - Chronology of PCB Related Activities

- In mid-November 2012, the Site Remediation Contractor, McConnell Enterprises, Inc. excavated soil from the former Facemate Building #2 slab (approximately two feet below grade) and, based upon visual observation, the soil was segregated into nine stockpiles. Four (4) of the stockpiles, identified as Stockpiles #2, #3, #5, and #8, were screened to remove bricks from the backfill. Those bricks, with minor amounts of soil, now comprise Stockpile #9, which is approximately 180 cubic yards.
- On December 12, 2012, BETA divided Stockpile #9 up into four quadrants and collected a composite sample consisting of both brick and soil from each quadrant. Three of the four samples were less than 1 mg/kg and the PCB concentrations ranged from below laboratory method detection limits (MDLs) to 6.2 mg/kg.

- An abandoned capacitor was encountered in the backfill material on the slab of former Facemate Building #2. No leaking oil was present on the capacitor and no staining or indications of a release were observed. The capacitor was segregated, placed on a pallet and covered by polyethylene sheeting while awaiting disposal. The capacitor was shipped by Veolia Environmental Services to their processing facility in Phoenix, Arizona on February 25, 2013, along with other capacitors removed from Former Facemate Building #5. The final destination site for disposal of the capacitors is Veolia's Port Arthur, Texas Incinerator. Reference is made to the Uniform Hazardous Waste manifest and Certificate of Receipt/Recycling included as Appendix B.
- Stockpile #8 soil was shipped by EQ to the Wayne Disposal, Inc. Site #2 Landfill in Belleville, Michigan. Copies of the Uniform Hazardous Waste manifests and Certificates of Disposal are included in Appendix C.

Stockpile #9 (Brick and Soil) Sampling

A TSCA Bulk Remediation Waste Sampling Plan was submitted to the EPA on January 29, 2013. The plan described the proposed additional characterization of soil and bricks present in Stockpile #9, using sampling protocols presented in Subpart N of 40 CFR 761.61. During the sampling program described below, Sample IDs included a 'B' or an 'S' designation to indicate whether the sample was a brick (B) or a soil (S) sample.

BETA initially divided the pile into three sections and collected a total of six (6) composite samples (three (3) composite brick and three (3) composite soil samples) and submitted them under a chain of custody to NETLab. For the brick sampling, a chisel was used to collect a representative sample from the surface (0-½ inch) of each brick. The chisel was decontaminated between each brick sample. The samples were extracted in accordance by EPA Method 3540C and analyzed for PCBs by EPA Method 8082. No PCBs were detected in two of the six samples. PCBs concentrations in the remaining four samples ranged from 0.425 to 2.82 mg/kg.

On February 19, 2013, BETA collected additional samples from Stockpile #9. BETA divided the 180 cubic yard stockpile into three sections and divided each section into a top, middle, and bottom tier, for a total of nine (9) sections. BETA collected a composite brick sample and a composite soil sample from each of the nine sections for a total of 18 samples. The samples were extracted in accordance by EPA Method 3540C and analyzed for PCBs by EPA Method 8082. No PCBs were detected above laboratory MDLS in one sample (SP9-3A-B). The PCB concentrations ranged from 0.174 to 9.83 mg/kg.

In summary, between December 12, 2012 and February 19, 2013, a total of twenty eight (28) composite samples of representative soil and bricks have been collected to characterize the 180 CY stockpile. The maximum detected PCB concentration was 9.83 mg/kg and fifteen (15) of the twenty-eight (28) samples were either non-detect or had a PCB concentration below 1 mg/kg. The PCB concentrations detected in the twelve (12) brick composite samples were less than 2 mg/kg. The PCB analytical results are summarized in Table 1.

Purpose of Submission

This Plan revision describes the proposed on-site management of PCB soil and bricks (Stockpile #9) and the placement of an Activity and Use Limitation under the self-implementing provisions of 40 CFR 761.

On-Site PCB Brick and Soil Management Plan

In addition to the PCB detection described above, the former Facemate site is a Massachusetts Department of Environmental Protection (MassDEP) listed disposal site being managed under Release Tracking Number (RTN) 1-18103. As part of the on-going response actions for this Site under this RTN, BETA has constructed an on-site asbestos consolidation area for the placement of asbestos contaminated soil.

As the PCB concentrations detected in Stockpile #9 are less than 10 mg/kg, BETA proposes to move the 180 CY stockpile and place it within the limits of the existing asbestos consolidation area. The PCB brick and soil will be maintained at elevations greater than 2 feet above the groundwater table and under a minimum 3-foot thick soil cap and/or a 2-foot cap within the paved area. The majority of the soil cap will include the asphalt paved surface for a parking lot. Upon completion of the remediation activities and cap construction an Activity and Use Limitation (AUL) will be filed to restrict future exposure. The location of the PCB consolidation area is indicated on Figure 2.

During its generation, Stockpile #9 was placed on double ply polyethylene sheeting and covered with polyethylene sheeting. Due to the short duration that stockpile #9 was held, and as the double ply polysheeting barrier exists between the stockpile and the soil below it, no verification sampling is planned as part of this Self Implementing Plan. The polyethylene sheeting is proposed to be relocated with the PCB-impacted materials and capped as described above.

All PCB-impacted soil and bricks will be properly secured during transport to the Asbestos Consolidation Area to avoid contamination of the Site. In addition, all transport vehicles and handing equipment will be decontaminated within or immediately adjacent to the Asbestos Consolidation Area. All decontamination wastes (rinse water, poly and soil) will also be placed within the limits of the Asbestos Consolidation Area.

Certification

As affirmed by the signatures below, BETA Group, Inc. and the City of Chicopee certifies that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at the offices of BETA Group, Inc. and are available for EPA inspection.

CITY OF CHICOPEE

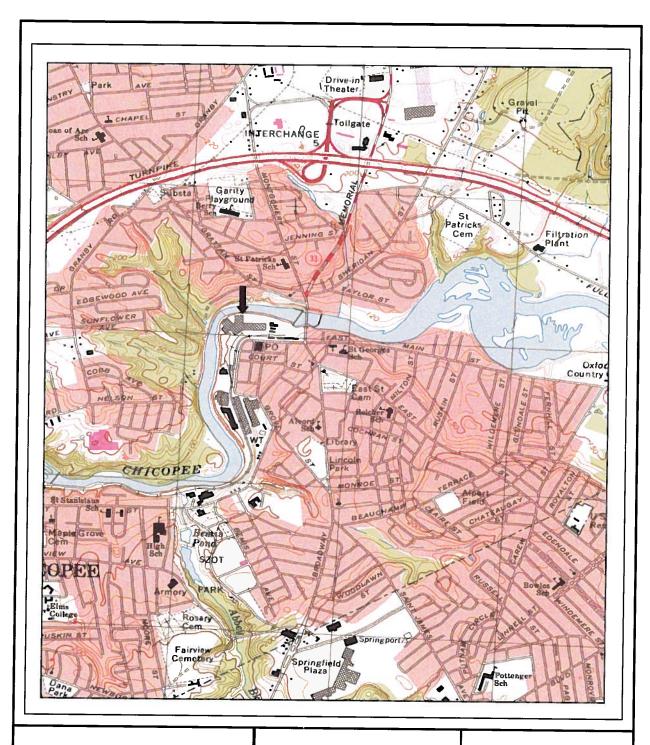
BETA Group, Inc.

Carl Dietz

Director of Community Development

Afan Hanscom Senior Associate

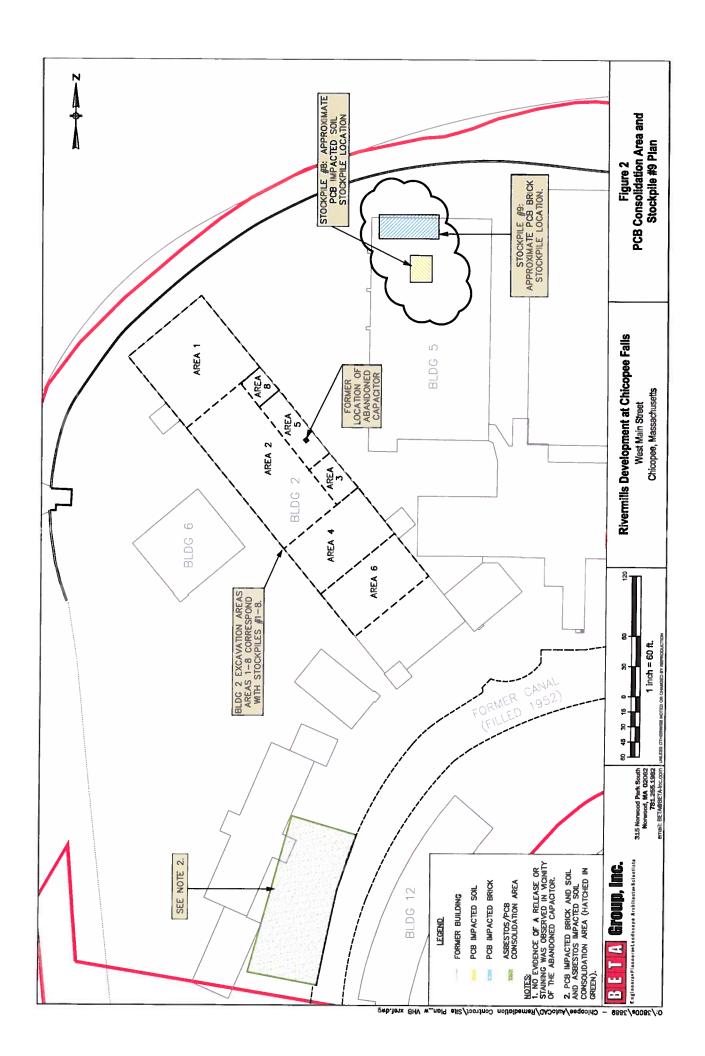
FIGURES

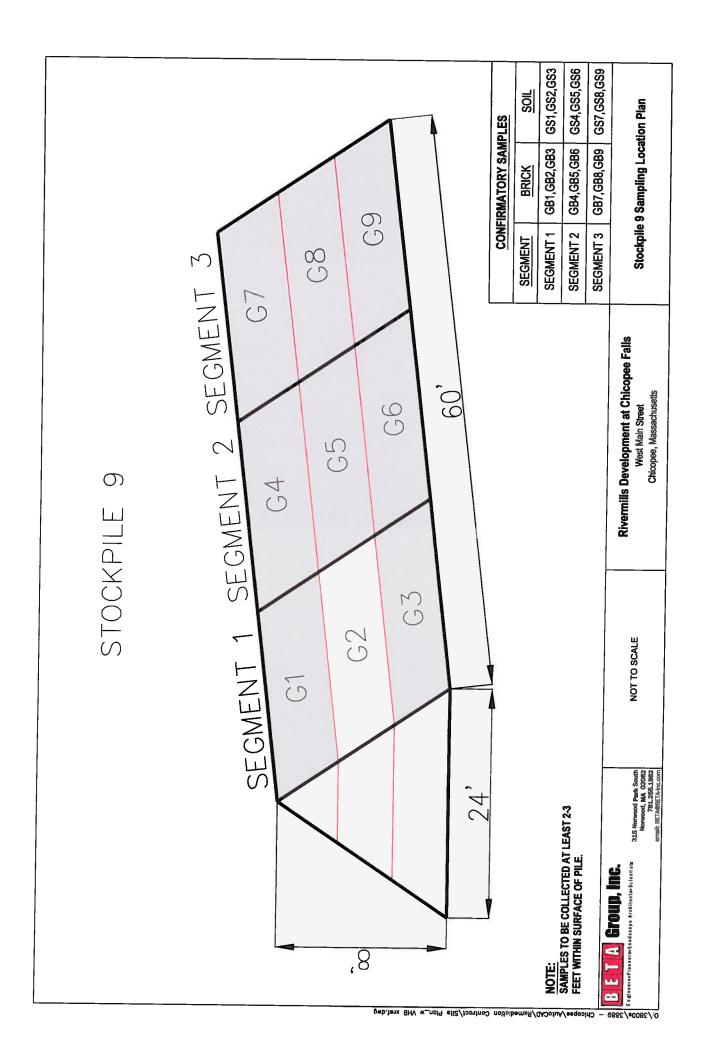




Facemate Property 5 West Main Street Chicopee, MA

Figure 1 Site Locus





TABLES

Table 1
Stockpile 49 Characterization Results
Former Facemate Facility
5 West Main Street
Chicopee, MA

	Magrand										
Composite Sample ID	\$1/6W-2	Stockpile 9A	Stockpile 98	Stockpile 9C	Stockpile 9D	Stockpile 9-1-	Stockpile 9-2-	Stockpile 9-3-	stockpile 9-1-	Stockpile 9-2-	Stockpile 9-3-
Date		12/12/2012	12/12/2012	12/12/2012	12/12/2012	1/28/3012	1/30/3013	4 710 71000	8	o.	no.
Polychlorinated Biphenyls (PCBs) (mg/kg)	(PCBs) (mg/kg)				The same of the sa	7/ 20/ 2043	CTO2/02/T	1/28/2013	1/28/2013	1/28/2013	1/28/2013
2000											
410C101-101P		ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0 200	000 0/UN	000 0/010	1 000 07 000		
Aroclor-1221		ND/0.100	ND/0.100	ND/0 100	ND/0 100	0000000	2000000	0070/00	MD/0.200	ND/0.200	ND/0.200
Aroclor-1232		ND/0.300	ND/0 100	MD/04 400	2010/01	2070/04	ND/U.cu	ND/0.200	ND/0.200	ND/0.200	ND/0.200
Aroclor-1242		0000/010	87.0/2	ONT DOWN	NU/U/100	ND/0.200	ND/0.200	ND/0.200	ND/0.200	ND/0.200	ND/0.200
		ND/0.100	ND/0.300	ND/0.100	ND/0.100	ND/0.200	ND/0.700	ND/0 200	MD/0 300	AND TO SOO	000 07 610
Arocior-1248		ND/0.100	0.152	ND/0.100	63	MD /0 200	200	20/04/20	10/0/CM	ND/0.200	ND/0.200
Aroclor-1254		0.104	0010/01	000000	7.0	007:0/ON	78.7	2.01	0.425	Q	1.76
Amelor 1360		5	ML/UN	ND/U-IOD	ND/0.100	ND/0.200	ND/0.200	ND/0.200	ND/0.200	ND/U 200	ND/O 200
A COUNTY OF		ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.200	ND/0.200	ND/0 200	MD/0 300	200,000	20070704
Arocior-1262		ND/0.100	ND/0.100	ND/0.100	ND.60 100	0000	000000000000000000000000000000000000000	20/20/20	10/0.500	ND/N-200	ND/0.200
Aroclor-1268		ND/0 100	MD/0 100	00.0/01	2010/04	MD/0.200	MD/02/00	ND/0.200	ND/0.200	ND/0.200	ND/0.200
Total Prac		TO JOE	OUT O/ON	ND/U.100	ND/0.100	ND/0.200	ND/0.200	ND/0.200	ND/0.200	ND/0.200	ND/0 200
	7	0.104	0.152	ND/0.100	6.2	ND/0.200	2.82	2.01	0.475	000 0/ GN	1 76

NA = Not Analyzed

ND = Not Detected

Exceeds Method 1 Standards

	Mathod 1									
Composite Sample ID	\$1/GW-2	SP9-1A-S	SP9-1B-5	SP9-1C-S	SP9-2A-5	SP9-28-5	SP9-2C-5	SP9-3A-S	SP9-38-S	SP9-3C-S
Date		2/19/2013	2/19/2013	2/19/2013	3/10/2012	2/40/2042				
Polychlorinated Biphenyls	(PCBs) (ma/ke)			ı		ı	2/13/K013	2/19/2013	2/19/2013	2/19/2013
4000	9					All of the				
ALOCIOL-TOTO		1.74	0.776	4.43	ND/0.100	0 274	0.243	12.00		
Aroclor-1221		ND/0.100	OUT 0/UN	AD 0.100	00.00		3450	0.577	4	0.817
Aroclor-1732		10/01/00	2010	10/0.100	NO.LOO	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100
4		NO/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0 100	ND/0 100
Arocior-1242		ND/0.100	ND/0.100	ND/0.100	ND/0100	No. to	400,000		201010	ND/0.100
Aroclor-1248		ND/0 100	MO.01.01	200 000	2010.10	POT-D/ON	MD/U.100	ND/0.100	ND/0.100	ND/0.100
Amelor-1254		20/0.700	307.0/ON	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100
4000		97.7	1.4	5.4	0.424	0.72	1.04	13	217	67
Arocior-1260		ND/0.100	ND/0.100	ND/0.100	ND/0 100	ND/0 100	ND /0 100	00.00	F. P.	7.03
Aroclor-1262		ND/0 100	ND/0 100	ND OUT		2010	DOT-0701	DDT:0/0N	ND/0.100	ND/0.100
Aroclor-1268		00,00	2010.10	NOT O/ON	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100
200		ND/U.TUD	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0 100	001 0/UN
lotal PCBS	2	4	2.176	9.83	0.424	4000	250		2010:00	POT-D/ON
								-		

NA = Not Analyzed ND = Not Detected Exceeds Method 1 Standards

	Mathod 1									
Composite Sample ID	\$1/GW-2	SP9-1A-B	SP9-18-8	SP9-1C-B	SP9-2A-8	SP9-28-8	SP9-2C-B	SP9-3A-B	SP9-38-8	SP9-3C-B
Date		2/19/2013	2/19/2013	2/10/2012	2/40/2044	200				
Dobuchlerinssen Binkernde (2008-11	11,000		242/4043	CT07/61/5	4/13/4015	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013
of caroning can property !	1-C65) (mg/kg)									
Aroclor-1016		0.230	0 4 30							
Amelog 1221		200	0.120	0.5/	0.122	ND/0.100	0.191	ND/0.100	0.295	0.103
7771000		ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0 100	ND /01	00.0/11	200	1
Aroclor-1232		ND/0.100	ND/0.100	ND/0 100	MD/0 100	0010/01	0070/01	MD/0/100	ND/0.100	ND/0.100
Aroclor-1242		MD/0 100	000 07 010	20101	DOT DA	MD/UNI	ND/0.100	ND/0.100	ND/0.100	ND/0.100
4		OT NOW	ND/O.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0100	ND /0 100	000000
Arocior-1248		ND/0.100	ND/0.100	ND/0.100	ND/0100	ND/0 100	0000/01	200	2010/01	10/0 TO
Aroclor-1254		0.584	0 193	0 883	300	MINO/ON	MD/0.100	ND/0.100	ND/0.100	ND/0.100
Aroclor-1260		MD/0 100	000000	000	4010	0.1/4	0.246	ND/0.100	0.422	0.148
Arnelor-1262		20,070	37.0/24	MD/0,100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0.300
		ND/UTOD	ND/0.100	ND/0.100	ND/0.100	ND/0.100	ND/0 100	ND/0 100	ATD 40.00	
Arocior-1268		ND/0.100	ND/0.100	ND/0.100	ND/O 100	10/0 100	2010/01	OT OVO	WD/ULIW	MD/0,100
Total PCBs	ļ	0.012	1000		2010/01	ODT:O/OM	ND/0.100	ND/0.100	ND/0.100	ND/0.100
		0.543	0.321	1.453	0.306	0.174	0.437	ND/0.100	0.717	0.251

NA = Not Analyzed
ND = Not Detected
Exceeds Method 1 Standards

Table 2 **Building 2 Stockpile Summary Former Facemate Facility**

Stockpile ID	Approximate Dimensions	Estimated Volume (CY)	Description	PCB Concentration (mg/kg)
Stockpile 1	85'x20'x10'	420	Sand and gravel	ND
Stockpile 2	74'x23'x8'	337	Sand, some brick, solid waste	1.9
Stockpile 3	30'x25'x12'	223	Sand, some brick, solid waste	0.659
Stockpile 4	50'x50'x10'	620	Sand with some brick fragments	0.722
Stockpile 5	48'x52'x20'	1238	Sand, gravel, brick fragments	0.919
Stockpile 6	45'x25'10'	283	Sand, brick, solid waste	ND
Stockpile 7	26'x35'x6'	135	Screened brick and soil from Stockpiles 4 & 6	0.785
Stockpile 8	45'x16'x4'	71	PCB Impacted Soil	81.8-84.6
Stockpile 9	60'x25'x5'	186	Screened Brick and soil from stockpiles 2,3,5 & 8	ND - 6.2
Totals		3513		

Notes:

- 1 Data from Field Notes for field datea 11/26/12; 11/28/12; 12/6/12; 12/12/12.
- 2 Stockpiles 1 through 7 are represented by 1 composite sample.
- 3 es 8 & 9 represented by 4 composite samples
- Analytical for PCBs by EPA Method 8082

APPENDIX A



REPORT OF ANALYTICAL RESULTS NETLAB Case Number Y1206-42

Prepared for:

Attn: Craig Ellis BETA Group, Inc. 315 Norwood Park South Norwood, MA 02062

Report Date: December 7, 2012

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC. 1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

		Ma	ssDEP Analytic	al Protocol Certifi	cation Form		
Labo	oratory Na	ame: New England	Testing Laborator	y, Inc.	Project #: 3889		
Proje	ect Locati	on: Facemate/Chic	copee, MA	10.	RTN:	-	
	Form pro (1206-42		ns for the following	ng data set: list Lab	poratory Sample ID Nu	ımber(s):	
Matri	ces: Gı	roundwater/Surface	Water x Soil/So	ediment Drinking	Water Air Other:		_
CAN	Protoc	ol (check all that a	oply below):			22 124	
8260 CAM		7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP CAM IX A	
8270 CAM	SVOC II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VC CAM IX B	С
6010 CAM	Metals III A	6020 Metals CAM III D	8082 PCB CAM V A x	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B		
/	Affirmativ	e Responses to (Questions A throu	igh F are required f	or "Presumptive Certa	ainty" stat	us
A	Custody	samples received properly preserve d/analyzed within med	ed (including temp	istent with those descreture) in the fie	cribed on the Chain-of- ld or laboratory, and	x Yes	No
В	Were the	e analytical method(tocol(s) followed?	s) and all associate	ed QC requirements s	pecified in the selected	x Yes	No
С	Were all CAM pro	required corrective tocol(s) implemented	actions and analytic for all identified per	cal response actions s formance standard no	specified in the selected n-conformances?	x Yes	No
Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?					x Yes	No	
VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?					Yes Yes	No No	
F	Were all	applicable CAM pro	tocol QC and perfor	rmance standard non-	conformances identified ()uestions A through E)?	x Yes	No
Res	ponses	to Questions G, H	and I below are r	equired for "Presul	mptive Certainty" stat	us	
G	protocol(s)?	•	rting limits specified in		x Yes	No ¹
<u>Da</u> re	nta User No presentativ	o <u>te</u> : Data that achieve veness requirements ("Presumptive Certai described in 310 CMR	nty" status may not ned ? 40. 1056 (2)(k) and WS	cessarily meet the data usa C-07-350.	ability and	
Н			-	he CAM protocol(s) ac		x Yes	No ¹
I	Were res	ults reported for the	complete analyte list	specified in the select	ed CAM protocol(s)?	x Yes	No ¹
¹ All r	egative re	esponses must be a	ddressed in an atta	ched laboratory narra	tive.	A. A.A. aut money	
respor	isible for c	ed, attest under the obtaining the information and complete.	pains and penaltied tion, the material con	s of perjury that, bas ntained in this analytica	ed upon my personal in al report is, to the best of	quiry of the my knowled	se Ige
Sign	ature: <u>&</u>			Positio	n: Laboratory Director		_
Print	ed Name	: Richard Warila	×	— Date:_1	2/7/2012		

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 6, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y1206-42.

Custody records are included in this report.

Project: Facemate/Chicopee

TABLE I, Samples Submitted

Sample 1D	Date Sampled	Matrix	Analysis Requested
Stockpile 8-A	12/6/12	Soil	Table II
Stockpile 8-B	12/6/12	Soil	Table II
Stockpile 8-C	12/6/12	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS PREPARATION METHOD DETERMINATIVE METHOD PCBs 3541 8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd ed., USEPA.

CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The concentration of PCBs in samples "Stockpile 8-A, Stockpile 8-B, Stockpile 8-C," prevented the quantification of one associated surrogate. As a result, the surrogate recovery was reported as "obscured".



RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.



Sample: Stockpile 8-A		Analyst's Initials: JD
Case No.: Y1206-42		
Date Collected: 12/6/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/7/12	12/7/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg* (ppb)	ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	84,500	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	56	43-97
DCBP	Obscured	30-125



Sample: Stockpile 8-B		Analyst's Initials: JD
Case No.: Y1206-42		
Date Collected: 12/6/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/7/12	12/7/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg* (ppb)	ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	84,600	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	43-97
DCBP	Obscured	30-125



Sample: Stockpile 8-C		Analyst's Initials: ID
Case No.: Y1206-42	*	Analyst's Initials: JD
Date Collected: 12/6/12		
Sample Matrix: Soil	***	
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/7/12	12/7/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg* (ppb)	ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	82,200	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	64	43-97
DCBP	Obscured	30-125



Sample: Method Blank		Analyst's Initials: JD
Case No.: Y1206-42		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/7/12	12/7/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	66	43-97
DCBP	70	30-125

N.D. = Not Detected



PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	12/7/12			12/7/12
Analytical Method: EPA 8082A		<u></u>		
Compound	Amount Spiked	Result	Recovery	Recovery
	mg/kg	mg/kg	%	Limits
Aroclor 1016	0.500	0.598	120	42-126
Aroclor 1260	0.500	0.418	84	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	73	43-97		
DCBP	46	30-125		

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue North Providence, RI 02904 1-888-863-8522

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REPORT OF ANALYTICAL RESULTS NETLAB Case Number Y1212-33

Prepared for:

Attn: Craig Ellis BETA Group, Inc. 315 Norwood Park South Norwood, MA 02062

Report Date: December 13, 2012

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC. 1254 Douglas Avenue, North Providence, RI 02904 (401) 353-3420

		Ma	ssDEP Analytic	al Protocol Certifi	cation Form		
Labo	oratory Na	ame: New England	Testing Laborator	y, inc.	Project #: 3889		
Proj	ect Locati	ion: Facemate/Chic	copee, MA		RTN:		
This	Form pro Y1212-33	ovides certificatio	ns for the following	ng data set: list Lab	ooratory Sample ID Nu	ımber(s):	
Matri	ces: Gr	roundwater/Surface	e Water x Soil/Sec	diment Drinking V	Vater Air Other:		
CAN	l Protoc	ol (check all that a	pply below):	Sey			
8260 CAM		7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP CAM IX A	
8270 CAM	SVOC II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VC CAM IX B	C
6010 CAM	Metals III A	6020 Metals CAM III D	8082 PCB CAM V A x	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B		
	Affirmativ	ve Responses to (ຊົນestions A throເ	igh F are required f	or "Presumptive Certa	ainty" stat	us
A	Custody,	l samples received , properly preserve d/analyzed within met	ed (including temp	istent with those descorature) in the field	cribed on the Chain-of- ld or laboratory, and	x Yes	No
В	Were the CAM pro	e analytical method(tocol(s) followed?	s) and all associate	ed QC requirements s	pecified in the selected	x Yes	No
С	Were all CAM pro	required corrective tocol(s) implemented	actions and analytic for all identified per	cal response actions s formance standard nor	specified in the selected n-conformances?	xYes	No
D	Does the "Quality Analytica	Assurance and Qu	omply with all the re uality Control Guide	eporting requirements alines for the Acquis	specified in CAM VII A, ition and Reporting of	x Yes	No
E	a. VPH, modificati	tion(s)? (Refer to the	ethods only: Was individual method(s)	for a list of significant	cted without significant modifications).	Yes	No
				ete analyte list reported		Yes	No
F	and evalu	uated in a laboratory	narrative (including a	all "No" responses to Q	conformances identified Questions A through E)?	x Yes	No
A02-00-00					mptive Certainty" state	us T	
G	protocol(s	s)?	· · · · · · · · · · · · · · · · · · ·	rting limits specified in		x Yes	No ¹
<u>Da</u> rej	<u>ıta User No</u> presentativ	<u>te</u> : Data that achieve eness requirements ("Presumptive Certain described in 310 CMF	nty" status may not ned ? 40. 1056 (2)(k) and WS	cessarily meet the data usa C-07-350.	bility and	
Н	Were all	QC performance star	ndards specified in th	ne CAM protocol(s) ach	nieved?	x Yes	No ¹
ı	Were resu	ults reported for the	complete analyte list	specified in the selecte	ed CAM protocol(s)?	x Yes	No ¹
¹ All n	egative re	sponses must be a	ddressed in an attac	ched laboratory narra	tive.		
l, the respon	undersigne sible for o	ed, attest under the	pains and penalties	s of perjury that, base	ed upon my personal inc of report is, to the best of t	quiry of tho my knowled	se ge
Signa	ature: 😥	WW.		Positio	n: Laboratory Director		
Print	ed Name:	Richard Warila	 .	— Date: 12/	/13/2012		

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 12, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y1212-33.

Custody records are included in this report.

Site: Facemate/Chicopee, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Stockpile-9A	12/12/12	Soil	Table II
Stockpile-9B	12/12/12	Soil	Table II
Stockpile-9C	12/12/12	Soil	Table II
Stockpile-9D	12/12/12	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS PREPARATION METHOD DETERMINATIVE METHOD PCBs 3541 8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.



CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.



RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.



Sample: Stockpile-9A		Analyst's Initials: NS
Case No.: Y1212-33	.	That you of militario. 110
Date Collected: 12/12/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/13/12	12/13/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg* (ppb)	ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	104	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	54	43-97
DCBP	64	30-125



Sample: Stockpile-9B		Analyst's Initials: NS
Case No.: Y1212-33		- many or o manage. The
Date Collected: 12/12/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/13/12	12/13/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg* (ppb)	ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	152	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	56	43-97
DCBP	72	30-125



Sample: Stockpile-9C		Analyst's Initials: NS
Case No.: Y1212-33		
Date Collected: 12/12/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/13/12	12/13/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg* (ppb)	ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	58	43-97
DCBP	73	30-125



Sample: Stockpile-9D		Analyst's Initials: NS
Case No.: Y1212-33		
Date Collected: 12/12/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/13/12	12/13/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg* (ppb)	ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	6,200	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	43-97
DCBP	87	30-125



Sample: Method Blank		Analyst's Initials: NS
Case No.: Y1212-33		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/13/12	12/13/12
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	77	43-97
DCBP	88	30-125

N.D. = Not Detected



PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	12/13/12			12/13/12
Analytical Method: EPA 8082A				
Compound	Amount Spiked	Result	Recovery	Recovery
	mg/kg	mg/kg	%	Limits
Aroclor 1016	0.500	0.537	107	42-126
Aroclor 1260	0.500	0.414	83	41-142
Surrogates:		· · · · · · · · · · · · · · · · · · ·		
Compound	% Recovery	Limits		
TCMX	70	43-97		
DCBP	84	30-125		

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue North Providence, RI 02904 I-888-863-8522

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REPORT OF ANALYTICAL RESULTS NETLAB Case Number Z0128-24

Prepared for:

Attn: Craig Ellis BETA Group, Inc. 315 Norwood Park South Norwood, MA 02062

Report Date: January 29, 2013

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC. 1254 Douglas Avenue, North Providence, RI 02904 (401) 353-3420

						-	
		Mas	ssDEP Analytica	al Protocol Certific	cation Form		
Labo	ratory Na	me: New England	Testing Laboratory	/, Inc.	Project #: 3889	.,	
Proje	Project Location: Facemate/Chicopee, MA RTN:						
	This Form provides certifications for the following data set: list Laboratory Sample ID Number(s): Z0128-24						
Matric	ces: Gr	oundwater/Surface	Water x Soil/Sed	liment Drinking V	Vater Air x Other: So	olid	
CAM	Protoco	ol (check all that ap	oply below):			·-	
8260 Y		7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP CAM IX A	APH
8270 S	SVOC II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VO	С
6010 CAM	Metals III A	6020 Metals CAM III D	8082 PCB CAM V A x	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B		
A	Affirmativ	e Responses to (Questions A throu	ıgh F are required f	or "Presumptive Certa	ainty" statu	ıs
A	Custody,	samples received properly preserve /analyzed within me	ed (including temp	istent with those desperature) in the fie	cribed on the Chain-of- ld or laboratory, and	x Yes	No
В		e analytical method(tocol(s) followed?	s) and all associate	ed QC requirements s	pecified in the selected	x Yes	No
С				cal response actions s formance standard no	specified in the selected n-conformances?	x Yes	No
D	Does the "Quality Analytica	Assurance and Qu	omply with all the re uality Control Guide	eporting requirements elines for the Acquis	specified in CAM VII A, ition and Reporting of	x Yes	No
E	a. VPH, modificat	ion(s)? (Refer to the	lethods only: Was individual method(s	each method condu) for a list of significant ete analyte list reported	icted without significant modifications).	Yes Yes	No No
F	Were all	applicable CAM pro	otocol QC and perfo	rmance standard non-	conformances identified Questions A through E)?	x Yes	No
Res					mptive Certainty" stat	us	
G	Were the protocol(r below all CAM repo	orting limits specified in	the selected CAM	x Yes	No ¹
<u>Da</u> re	ata <u>User No</u> presentativ	ote: Data that achieve veness requirements	e "Presumptive Certa described in 310 CMI	inty" status may not ne R 40. 1056 (2)(k) and WS	cessarily meet the data use SC-07-350.	ability and	
Н				the CAM protocol(s) ac		x Yes	No ¹
ı	FRIEND, AMERICA	****		t specified in the select		x Yes	No ¹
¹ All r	negative re	esponses must be a	addressed in an atta	ached laboratory narra	ative.		
respoi	nsible for d	ed, attest under the obtaining the informa ate and complete.	e pains and penaltic ntion, the material co	es of perjury that, bas ntained in this analytic	sed upon my personal in al report is, to the best of	quiry of the my knowled	se Ige
Sign	ature: 🚱	Coulan		Positio	on: Laboratory Director		-
Print	Printed Name: Richard Warila Date: 1/29/2013						

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 28, 2013. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Z0128-24.

Custody records are included in this report.

Site: Facemate/Chicopee, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Stockpile 9-1-F	1/28/13	Soil	Table II
Stockpile 9-2-F	1/28/13	Soil	Table II
Stockpile 9-3-F	1/28/13	Soil	Table II
Stockpile 9-1-B	1/28/13	Solid	Table II
Stockpile 9-2-B	1/28/13	Solid	Table II
Stockpile 9-3-B	1/28/13	Solid	Table II

TABLE II, Analysis and Methods

ANALYSIS PREPARATION METHOD
PCBs 3540C 8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.



RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.



Sample: Stockpile 9-1-F		Analyst's Initials: JD
Case No.: Z0128-24		
Date Collected: 1/28/13	· .	
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	1/28/13	1/29/13
Analytical Method: EPA 8082A		-
Compound	Concentration*	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:	.,_	
Compound	% Recovery	Limits
TCMX	83	43-97
DCBP	96	30-125

N.D. = Not Detected *Dry Weight Basis



Sample: Stockpile 9-2-F		Analyst's Initials: JD
Case No.: Z0128-24		
Date Collected: 1/28/13		
Sample Matrix: Soil	D. D 1	B . A . 1
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	1/28/13	1/29/13
Analytical Method: EPA 8082A		
Compound	Concentration*	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	2820	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	94	43-97
DCBP	110	30-125

N.D. = Not Detected
* Dry Weight Basis



		
Sample: Stockpile 9-3-F		Analyst's Initials: JD
Case No.: Z0128-24		
Date Collected: 1/28/13		
Sample Matrix: Soil	D. D	
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	1/28/13	1/29/13
Analytical Method: EPA 8082A	· · · · · · · · · · · · · · · · · · ·	
Compound	Concentration*	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	2010	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	86	43-97
DCBP	111	30-125
		

N.D. = Not Detected * Dry Weight Basis



Sample: Stockpile 9-1-B		Analyst's Initials: JD
Case No.: Z0128-24		
Date Collected: 1/28/13		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	1/28/13	1/29/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	425	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	86	43-97
DCBP	89	30-125

N.D. = Not Detected



Sample: Stockpile 9-2-B		Analyst's Initials: JD
Case No.: Z0128-24	· · · · · · · · · · · · · · · · · · ·	
Date Collected: 1/28/13		
Sample Matrix: Solid	***	
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	1/28/13	1/29/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	96	43-97
DCBP	102	30-125

N.D. = Not Detected



Sample: Stockpile 9-3-B		Analyst's Initials: JD
Case No.: Z0128-24	·	
Date Collected: 1/28/13		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	1/28/13	1/29/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	1760	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	96	43-97
DCBP	120	30-125

N.D. = Not Detected



Sample: Method Blank		Analyst's Initials: JD
Case No.: Z0128-24		
Date Collected: NA		
Sample Matrix: Solid	····-	
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	1/28/13	1/29/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	91	43-97
DCBP	95	30-125

N.D. = Not Detected



PCB Laboratory Control Spike

Sample Matrix: Solid				
Subject: PCB	Date Extracted	·		Date Analyzed
Prep Method: EPA 3540C	1/28/13			1/29/13
Analytical Method: EPA 8082A				
Compound	Amount Spiked	Result	Recovery	Recovery
	mg/kg	mg/kg	%	Limits
Aroclor 1016	0.500	0.451	90	42-126
Aroclor 1260	0.500	0.553	110	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	95	43-97		
DCBP	101	30-125		

JO128-24

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue North Providence, RI 02904 1-888-863-8522

CHAIN OF CUSTODY RECORD

3889 Falenck Chico Jee MA	
TA	PEMARKS
1/4/5/300 X Stockpik 9-7-F X 1 nom X	
9-3-F 9-1-8	
X Stockpie 9-2	
V 135° X HOLKPIR 9 -3-13 X 1 V X	
1/24/5/302 Rec ature) Date/Time Rec	marks: Special Instructions: List Specific Detection Limit Requirements:
Reinquished by (Signature) Reinquished by (Signature) Mali AB 3 10'10 10'00 10'00 128/3 10'00	Turnaround (Business Davs)
**Netlab subportracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates	



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Z0219-36

Prepared for:

Attn: Craig Ellis BETA Group, Inc. 315 Norwood Park South Norwood, MA 02062

Report Date: February 26, 2013

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904 (401) 353-3420

		Ma	ssDEP Analytic	al Protocol Certif	ication Form		
1 -							
Lab	oratory N	ame: New England	lesting Laborator	y, Inc.	Project #: 3889		
Proj	ect Locat	ion: Facemate/Chio	copee, MA		RTN:		
This	Form pr Z0219-36	ovides certificatio	ns for the followi	ng data set: list Lal	boratory Sample ID Nu	ımber(s):	
Matr	ices: G	roundwater/Surface	e Water x Soil/Sec	diment Drinking V	Vater Air x Other: S	olid	
CAN	l Protoc	ol (check all that a	pply below):				
8260 CAM	VOC II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEF CAM IX A	
8270 CAM	SVOC II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VC CAM IX E	C
6010 CAM	Metals III A	6020 Metals CAM III D	8082 PCB CAM V A X	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B		
	Affirmati	ve Responses to (Questions A throu	igh F are required t	for "Presumptive Certa	ainty" stat	us
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?			x Yes	No		
В	Were th	e analytical method(otocol(s) followed?	s) and all associate	ed QC requirements s	specified in the selected	x Yes	No
С	Were all CAM pro	required corrective tocol(s) implemented	actions and analytic for all identified per	cal response actions s formance standard no	specified in the selected n-conformances?	x Yes	No
D	Does the "Quality Analytica	Assurance and Qu	omply with all the re ality Control Guide	eporting requirements elines for the Acquis	specified in CAM VII A, ition and Reporting of	x Yes	No
E	a. VPH, modificat	tion(s)? (Refer to the	ethods only: Was individual method(s)	each method condu for a list of significant te analyte list reported	cted without significant modifications).	Yes Yes	No No
F	Were all	applicable CAM pro	tocol QC and perfor	rmance standard non-	conformances identified Questions A through E)?	x Yes	No
Res					mptive Certainty" state	us	
G	Were the protocol(reporting limits at or s)?	below all CAM repor	rting limits specified in	the selected CAM	x Yes	No ¹
<u>Da</u> re	ata User No presentativ	ote: Data that achieve veness requirements o	"Presumptive Certai described in 310 CMR	nty" status may not ned 2 40. 1056 (2)(k) and WS	cessarily meet the data usa C-07-350.	bility and	
Н	Were all	QC performance star	ndards specified in th	ne CAM protocol(s) ac	hieved?	x Yes	No ¹
ı	Were res	ults reported for the	complete analyte list	specified in the select	ed CAM protocol(s)?	x Yes	No ¹
¹ All r	egative re	esponses must be a	ddressed in an attac	ched laboratory narra	tive.		
respor	isible for c	ed, attest under the obtaining the informat ate and complete.	pains and penalties tion, the material con	s of perjury that, bas ntained in this analytica	ed upon my personal inc al report is, to the best of	quiry of the my knowled	se Ige
Sign	ature: <u>&</u>	Muse Carlo		Position	n: Laboratory Director		
Print	ed Name	Richard Warila		Date:_2			_

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on February 19, 2013. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Z0219-36.

Custody records are included in this report.

Site: Facemate/Chicopee, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
		_	
SP9-1A-S	2/19/13	Soil	Table II
SP9-1A-B	2/19/13	Solid	Table II
SP9-1B-S	2/19/13	Soil	Table II
SP9-1B-B	2/19/13	Solid	Table II
SP9-1C-S	2/19/13	Soil	Table II
SP9-1C-B	2/19/13	Solid	Table II
SP9-2A-S	2/19/13	Soil	Table II
SP9-2A-B	2/19/13	Solid	Table II
SP9-2B-S	2/19/13	Soil	Table II
SP9-2B-B	2/19/13	Solid	Table II
SP9-2C-S	2/19/13	Soil	Table II
SP9-2C-B	2/19/13	Solid	Table II
SP9-3A-S	2/19/13	Soil	Table II
SP9-3A-B	2/19/13	Solid	Table II
SP9-3B-S	2/19/13	Soil	Table II
SP9-3B-B	2/19/13	Soil	Table II
SP9-3C-S	2/19/13	Soil	Table II
SP9-3C-B	2/19/13	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS PREPARATION METHOD DETERMINATIVE METHOD
PCBs 3540C 8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.



CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: SP9-1A-S		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13, 2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	1,740	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	2,260	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	57	43-97
DCBP	88	30-125

N.D. = Not Detected

Sample: SP9-1A-B		Analyst's Initials: BJ
Case No.: Z0219-36		Times, or a fine called 20
Date Collected: 2/19/13		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13, 2/25/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	329	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	584	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	84	43-97
DCBP	99	30-125

N.D. = Not Detected

Sample: SP9-1B-S	···	Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13	7	
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13, 2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	776	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,400	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	60	43-97
DCBP	86	30-125

N.D. = Not Detected

G 1 000 10 0		
Sample: SP9-1B-B	·····	Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	128	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	193	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	84	43-97
DCBP	98	30-125

N.D. = Not Detected

Sample: SP9-1C-S		Analyst's Initials: BJ
Case No.: Z0219-36	· · · · · · · · · · · · · · · · · · ·	Time you o minimo. 20
Date Collected: 2/19/13	-	
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13, 2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	4,430	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	5,400	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		_
Compound	% Recovery	Limits
TCMX	67	43-97
DCBP	98	30-125

N.D. = Not Detected

Sample: SP9-1C-B		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	570	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	883	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	86	43-97
DCBP	102	30-125

N.D. = Not Detected

Sample: SP9-2A-S		Analystia laitiala, DI
Case No.: Z0219-36		Analyst's Initials: BJ
Date Collected: 2/19/13	<u> </u>	
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	424	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	62	43-97
DCBP	89	30-125

N.D. = Not Detected

Sample: SP9-2A-B		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	122	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	184	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	43-97
DCBP	89	30-125

N.D. = Not Detected

Sample: SP9-2B-S		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	274	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	720	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	69	43-97
DCBP	92	30-125

N.D. = Not Detected

Complex CD0 2D D		
Sample: SP9-2B-B Case No.: Z0219-36		Analyst's Initials: BJ
Date Collected: 2/19/13		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13
Analytical Method: EPA 8082A		2.22,13
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	174	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:	<u> </u>	
Compound	% Recovery	Limits
TCMX	76	43-97
DCBP	94	30-125

N.D. = Not Detected

Sample: SP9-2C-S		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13, 2/25/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	342	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,040	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	43-97
DCBP	80	30-125

N.D. = Not Detected

<u> </u>	
	Analyst's Initials: BJ
Date Extracted	Date Analyzed
2/21/13	2/22/13
Concentration	Reporting Limit
ug/kg (ppb)	ug/kg (ppb)
191	100
N.D.	100
246	100
N.D.	100
N.D.	100
N.D.	100
% Recovery	Limits
81	43-97
95	30-125
	2/21/13 Concentration ug/kg (ppb) 191 N.D. N.D. N.D. N.D. 246 N.D. N.D. N.D. N.D. 8.D. 9. Recovery 81

N.D. = Not Detected

Sample: SP9-3A-S		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13, 2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
İ	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	577	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,300	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:	·	
Compound	% Recovery	Limits
TCMX	60	43-97
DCBP	79	30-125

N.D. = Not Detected

Sample: SP9-3A-B	<u> </u>	Analyst's Initials: BJ
Case No.: Z0219-36		Analyst's Illitials. BJ
Date Collected: 2/19/13	-	
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	81	43-97
DCBP	87	30-125

N.D. = Not Detected

-	
	Analyst's Initials: BJ
	Date Analyzed
2/20/13	2/21/13, 2/22/13
Concentration	Reporting Limit
ug/kg (ppb)	ug/kg (ppb)
1,440	100
N.D.	100
2,170	100
N.D.	100
N.D.	100
N.D.	100
% Recovery	Limits
62	43-97
88	30-125
	ug/kg (ppb) 1,440 N.D. N.D. N.D. N.D. 2,170 N.D. N.D. N.D. N.D. N.D. % Recovery 62

N.D. = Not Detected

Sample: SP9-3B-B		Analyst's Initials: BJ
Case No.: Z0219-36	·	Analyst 8 Initials. BJ
Date Collected: 2/19/13	-	-
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	295	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	422	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	79	43-97
DCBP	92	30-125

N.D. = Not Detected

Sample: SP9-3C-S		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13, 2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	817	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,690	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	64	43-97
DCBP	93	30-125

N.D. = Not Detected

Sample: SP9-3C-B		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: 2/19/13		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	103	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	148	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	43-97
DCBP	84	30-125

N.D. = Not Detected

Sample: Method Blank #1		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/20/13	2/21/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	79	43-97
DCBP	95	30-125

N.D. = Not Detected

Sample: Method Blank #2		Analyst's Initials: BJ
Case No.: Z0219-36		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	2/21/13	2/22/13
Analytical Method: EPA 8082A		
Compound	Concentration	Reporting Limit
	ug/kg (ppb)	ug/kg (ppb)
Aroclor-1016	N.D.	100
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	43-97
DCBP	97	30-125

N.D. = Not Detected

PCB Laboratory Control Spike

Sample Matrix: Solid				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	2/20/13			2/21/13
Analytical Method: EPA 8082A				
Compound	Amount Spiked	Result	Recovery	Recovery
	mg/kg	mg/kg	%	Limits
Aroclor 1016	0.500	0.388	78	42-126
Aroclor 1260	0.500	0.474	95	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	94	43-97		
DCBP	110	30-125		

PCB Laboratory Control Spike

Sample Matrix: Solid				<u> </u>
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	2/21/13			2/22/13
Analytical Method: EPA 8082A				
Compound	Amount Spiked	Result	Recovery	Recovery
	mg/kg	mg/kg	%	Limits
Aroclor 1016	0.500	0.370	74	42-126
Aroclor 1260	0.500	0.438	88	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	86	43-97		
DCBP	100	30-125		

NEW ENGLAND TESTING LABORATORY, INC. 1254 Douglas Avenue North Providence, RI 02904 1-888-863-8522

CHAIN OF CUSTODY RECORD

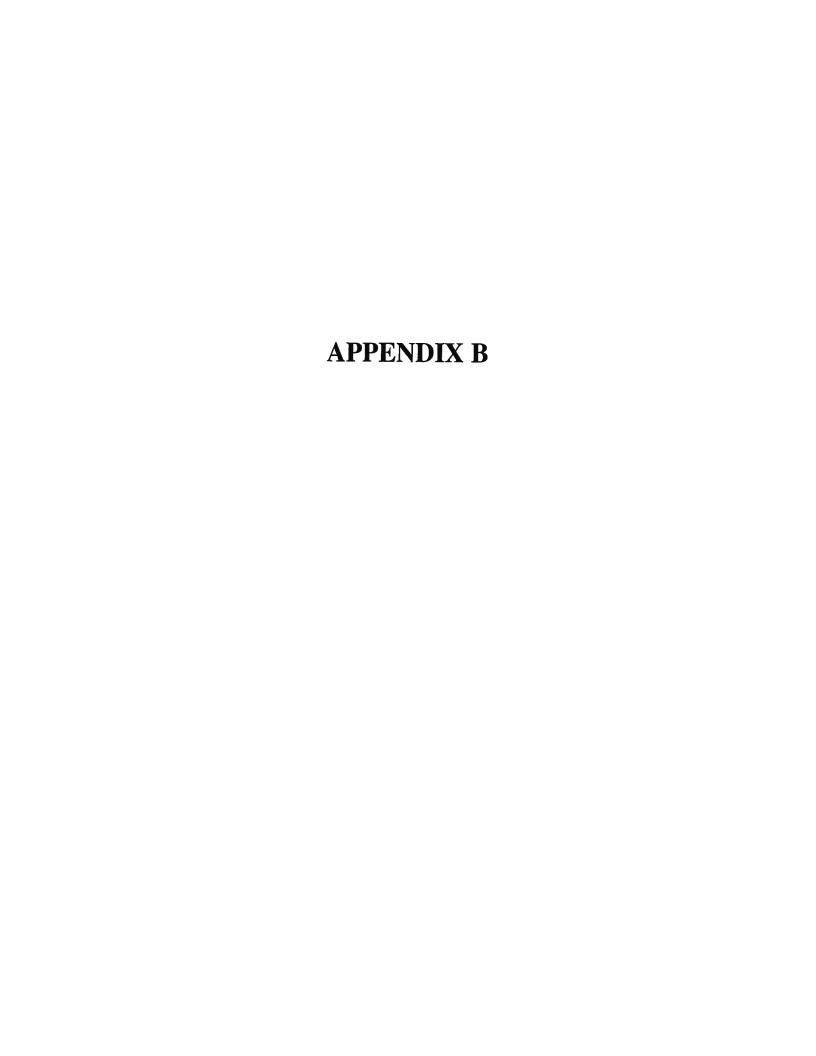
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**Nettab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRa Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates	

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue North Providence, RI 02904 1-888-863-8522

CHAIN OF CUSTODY RECORD

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TECHNICAL SOLUTIONS
NORTH AMERICA

Customer: MCCONNELL ENTERPRISES, INC. P.O. BOX 187 10 ICE HOUSE LANE ESSEX, MA 01929 Generator:

CITY OF CHICOPEE OCD 38 CENTER STREET CHICOPEE, MA 01013

Veolia ES Technical Solutions, L.L.C. AZ0000337360 Certificate of Receipt/Recycling

Manifest/BOL Number: 000785128VES

Temps.	Quantity	Unit of Measure	Serial Number
Type · Incineration - Large PCB Capacitors	1102	P	638759-1
Incineration - Large PCB Capacitors	1102	P	638759-2

By this document, Veolia ES Technical Solutions, L.L.C. certifies that the above listed items/wastes, as described on the shipping paper listed above, were received for recycling/processing on the below listed date. By accepting the items/wastes listed above, Veolia ES Technical Solutions, L.L.C. certifies to the generator that the transportation, receipt, storage, and processing methods employed are in accordance with Veolia ES permit parameters, the Toxic Substance Control Act, the Resource Conservation and Recovery Act, the Hazardous Materials Transportation Act, the Occupational Health and Safety Act and all applicable federal, state and local laws.

Upon receipt of the final certificates of disposal from the ultimate disposal facility, Veolia ES Technical Solutions, L.L.C. will provide a tracking report for the materials received and copies of the final Certificates of Disposal.. I certify that the information contained in or accompanying this document is true, accurate and complete.

James Harrison
Operations Manager

Date Received: 2/25/2013

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Manifest # 000785128 VES (attached)

PCB Capacitors from Rivermills Redevelopment Remediation, 5 W Main St., Chicopee, MA

Picked up from site: 02/05/13

8: Designated Facility Name and Site Address:

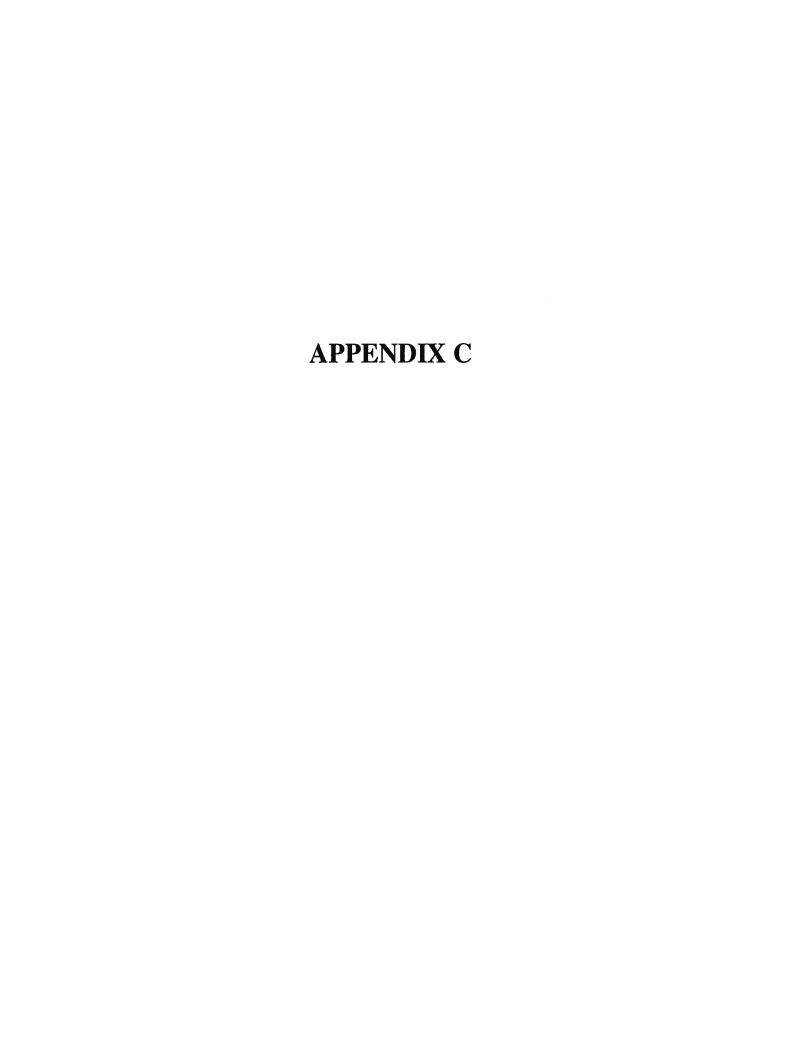
Veolia Environmental Service 5736 W Jefferson St Phoenix, AZ 85043 (602) 233-2955

Final disposal site for the Capacitors is Veolia Port Arthur, TX incinerator

Vendor Contact:
Philip E. LoRicco
Veolia ES Technical Solutions, LLC
90 Pleasant Street
West Bridgewater MA 02379

508 882-0200

Submitted by: Sylvia Hidden Kirker, McConnell Enterprises, Inc.



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has been landfilled on Line Item

in accordance with all local, state and federal regulations by: 2013

Wayne Disposal, Inc.

(EPA I.D. # MĪD048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111 Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official is true accurate and complete.

Authorized Signature:

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

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FOR MANIFESTED PCB WASTE

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and specified on Manifest # 6 10 260 53 1 731

Line Item has been landfilled on

1013 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111 Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official is true accurate and complete.

me who

Authorized Signature:

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

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П	5. Generator's Name and Malling Address Generator's Name and Malling Address	ator's Site Address	(if different li	hen mailing address	SS)	30 to 0	llas U	<u> </u>	
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Ш	6. Transporter 1 Company Name		4	U.S. EPA ID I	Number -			- 4	
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Ш	8. Designated Facility Name and Site Address	5160	Heland	Y,U.S. EPAID N	Vumber				
П	49250 NI-94 8 4915 DISPOSA,	Disposal, Loc Si Le Horand Flys Chand Tage 123							
Ш	8. Designated Facility Name and Site Address WAYNE Disposin, Ind 49350 NI-94 Sepance Drive Belle VIIIE, MZ. 40111 Apr -672-6439	MID 048 090 633							
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	 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable int 								
Ш	Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgmen I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) of	nt of Consent.	1.5	-	•	•		•	
П	Generator's/Offeror's Printed/Typed Name Signature	11.	/ /	1		Mor	nth Day	Year	
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탇	16. International Shipments Import to U.S. Export from U.S.	Port of en		and the second second			<u> </u>	18 7.58	
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트	18b. Alternate Facility (or Generator)			0.5. EFA ID N	. ·	363			
FAC	Fácility's Phone:	12		1 8 .			1	4:	
旦	18c. Signature of Alternate Facility (or Generator)	5) · %		· : .	1 (2) 10	Mo	nth Day	Year	
DESIGNATED FACILITY	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and re-	notion metamet		51 (6)		200	9.53	. 1	
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_	PCB	2							
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest exce	pt as noted in item	18a			1)	alla Davi	Vana	
	Printed/Typed Name Signature	7	1 -		£	Mor !	ilh Day	Year	
*	Form 8700-22 (Ref) 3-05) Previous editions are obsolete		1	SECIONIATE	- 6	16	VICT	17/	

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This certificate is to verify the wastes identified as

and specified on Manifest#

Line Item has been landfilled on J3K 20169300

in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc. (EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111 Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official is true accurate and complete

Authorized Signature:



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

2722/11



Form Approved. OMB No. 2050-0039 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 4. Manifest Tracking Number 1. Generator ID Number 3. Emergency Response Phone UNIFORM HAZARDOUS 0102605 (800) 535-5053 MP4 135 941 490 WASTE MANIFEST Generator's Site Address (If different than mailing address) 5. Generator's Name and Mailing Address CITY OF CHICOPEE OCD 38 CENTER STREET 5 W MAIN STREET CHICOPEE, MA 01020 CHICOPEE, MA 01013 (413) 594-1489 Generator's Phone: U.S. EPAID Number 6. Transporter 1 Company Name PAD 987 347 515 US Bulk Transport, Inc U.S. EPA ID Number 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC. SITE #2 LANDFILL MID 048 090 633 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 (800) 592-5489 Facility's Phone: 10. Containers 2. Unit 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, 11. Total 13. Waste Codes Quantity Wt./Vol. and Packing Group (if any)) No. Туре нм MAQ2 1, RCI, UN3432, Polychlorinated biphenyle, solid, 9, PGIII, ERG #171 20,000 GENERATOR e5 14. Special Handling Instructions and Additional Information
1. B125048VVDI / (S) PCB SOIL / STORAGE START DATE 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (If I am a large quantity generator) or (b) (If I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name 16. International Shipments Port of entry/exit: Export from U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Year Day Signature Transporter 1 Printed/Typed Name 26/13 Transporter 2 Printed/Typed Name 18. Discrepancy Птуре Full Rejection Partial Rejection 18a. Discrepancy Indication Space Quantity Manifest Reference Number U.S. EPA ID Number 18b. Alternate Facility (or Generator) Facility's Phone: Month Day 18c. Signature of Alternate Facility (or Generator) 19. Hezardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) PCB 20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Hern 18a Printed/Typed Name

OE

1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information This certificate is to verify the wastes identified as is true accurate and complete.

has been landfilled on

Line Item

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and specified on Manifest #

FOR MANIFESTED PCB WASTE

in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Form # REC-FIM-030-BEI

Authorized Signature:

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

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Line Item 7166 285 0920 19 and specified on Manifest#

in accordance with all local, state and federal regulations by: 2013

has been landfilled on

Wayne Disposal, Inc.

(EPA I.D. # MĪD048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111 Telephone: 1-800-KWALITY (592-5489) Fax: 1-800-KWALFAX (592-5329)

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Authorized Signature:

is true accurate and complete.

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111